

Review

p101-104

#s9, 12-14, 20, 22, 24, 35, 37-45,

47, 50, 54

Line of best fit by hand

On LL

Oct 16-10:43 AM

Ch 2 Review

2.1

Relation and Function

Function?

1-1?

$$f(x) = 3x^2 - 2$$

$$f(2) = 3(2)^2 - 2 = 10$$

list of ordered pairs



graphs

Domain

Range

Graphs

Mappings

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2-2 and 2-3

linear equations

slope

parallel

perpendicular

horizontal

vertical

standard form

graph

intercepts

slope

parallel lines

perpendicular lines

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

same slope

opp recip

m=0

no slope

No slope

$$Ax + By = C$$

2-4

Writing equations

point slope

2 points

parallel

perpendicular

variation word problems

$$y = mx + b$$

$$y - y_1 = m(x - x_1)$$

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2-5

Scatter plot (by hand)

→ choose points
from your line

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2-6

special functions

greatest integer $[x]$

piecewise functions

- absolute value

$$y = a|x - h| + k \quad V(h, k)$$

- write equation from graph
graph

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$f(x) = [x]$	length 1	y-int 0
$f(x) = [\frac{1}{2}x]$	2	0
$f(x) = [2x]$	$\frac{1}{2}$	0
$f(x) = 2[x]$	1 (2 b/w steps)	
$f(x) = [x] + 3$	1	3

Oct 10-12:15 PM

2-7

Linear inequalities

dash/solid

shade

~~Double absolute value~~

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